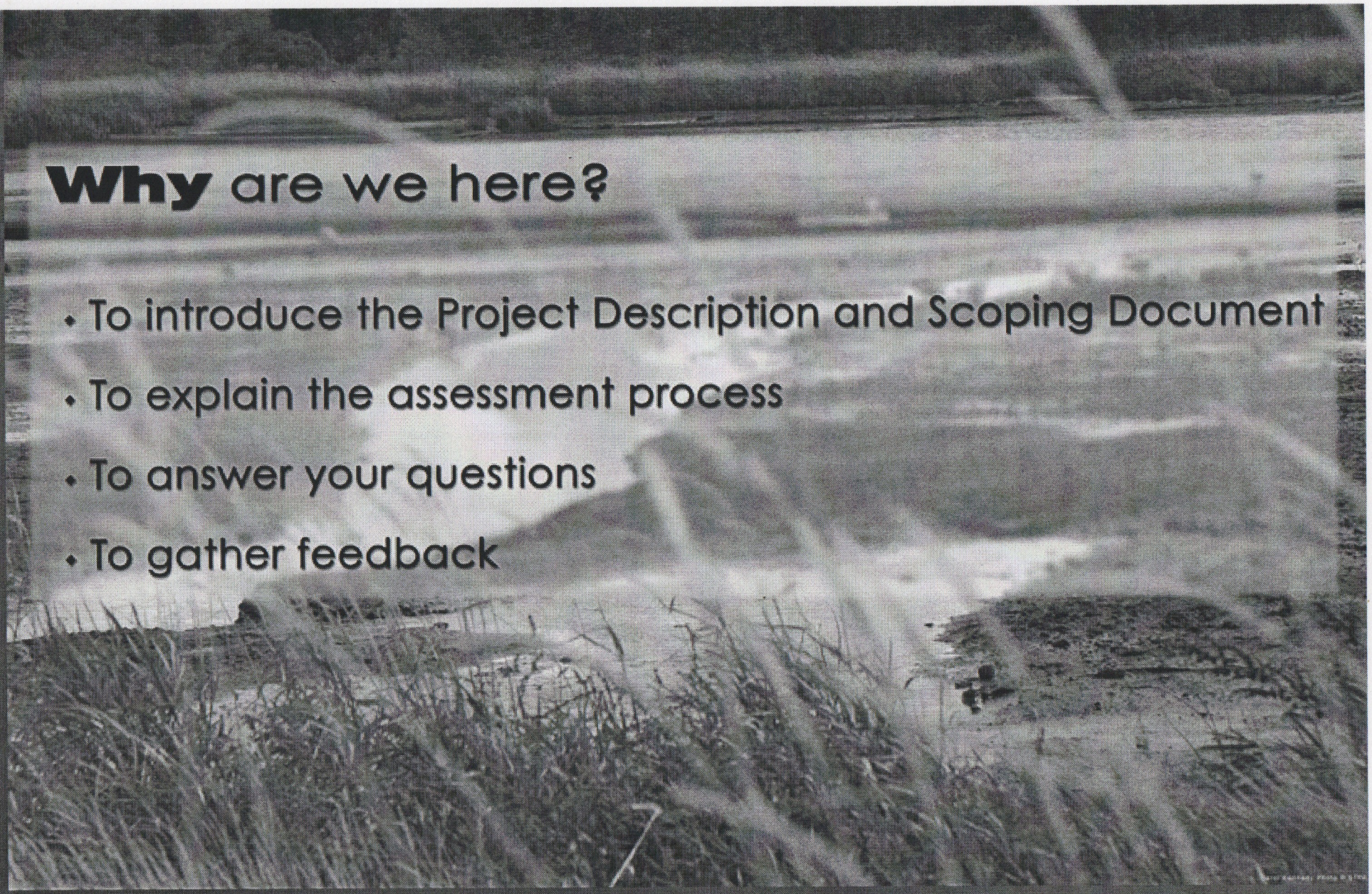
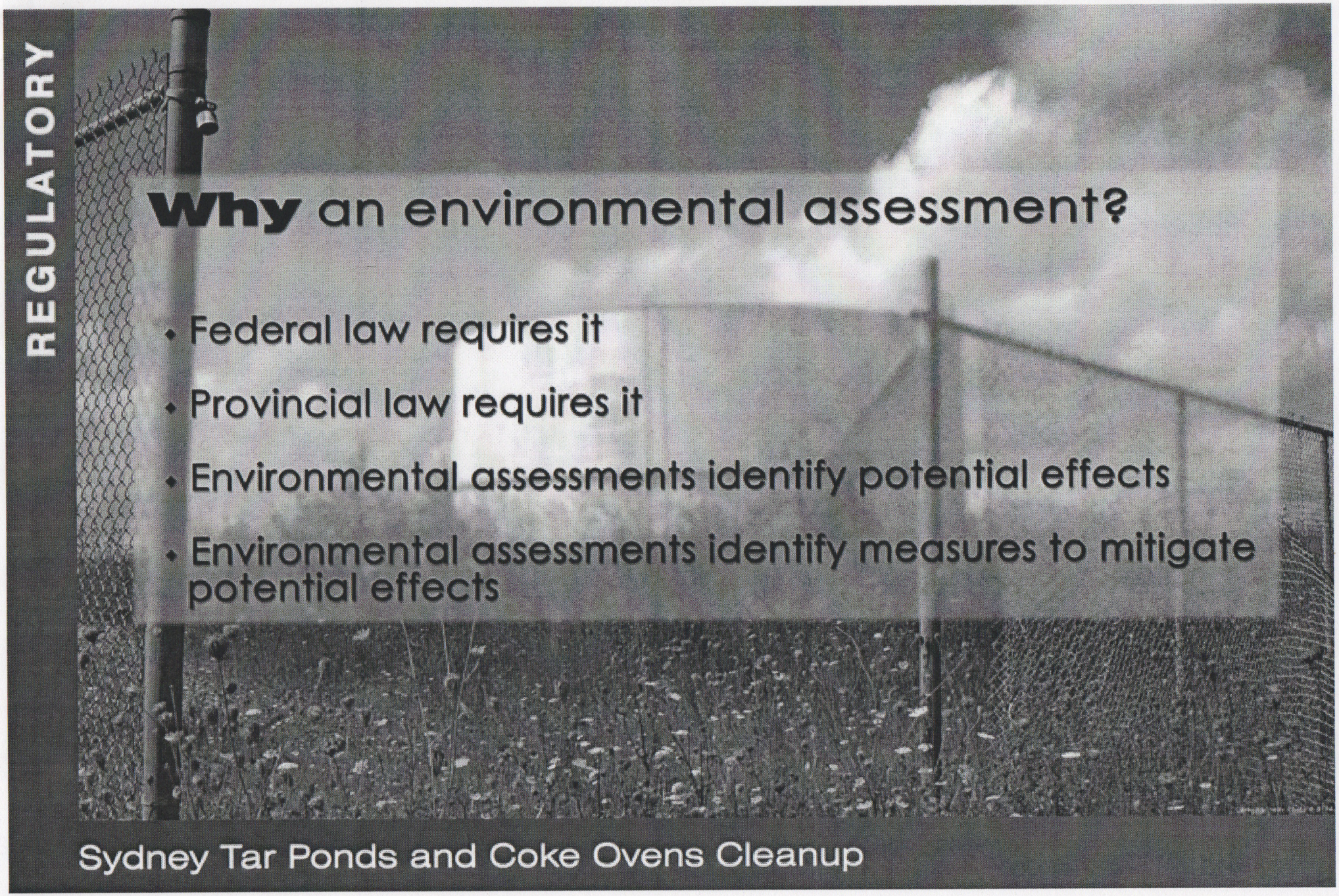


# **Why** are we here?

- To introduce the Project Description and Scoping Document
- To explain the assessment process
- To answer your questions
- To gather feedback


REGULATORY
Why an environmental assessment?
• Federal law requires it
• Provincial law requires it
• Environmental assessments identify potential effects
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Sydney Tar Ponds and Coke Ovens Cleanup

# **Federal** Process

## CEAA triggers

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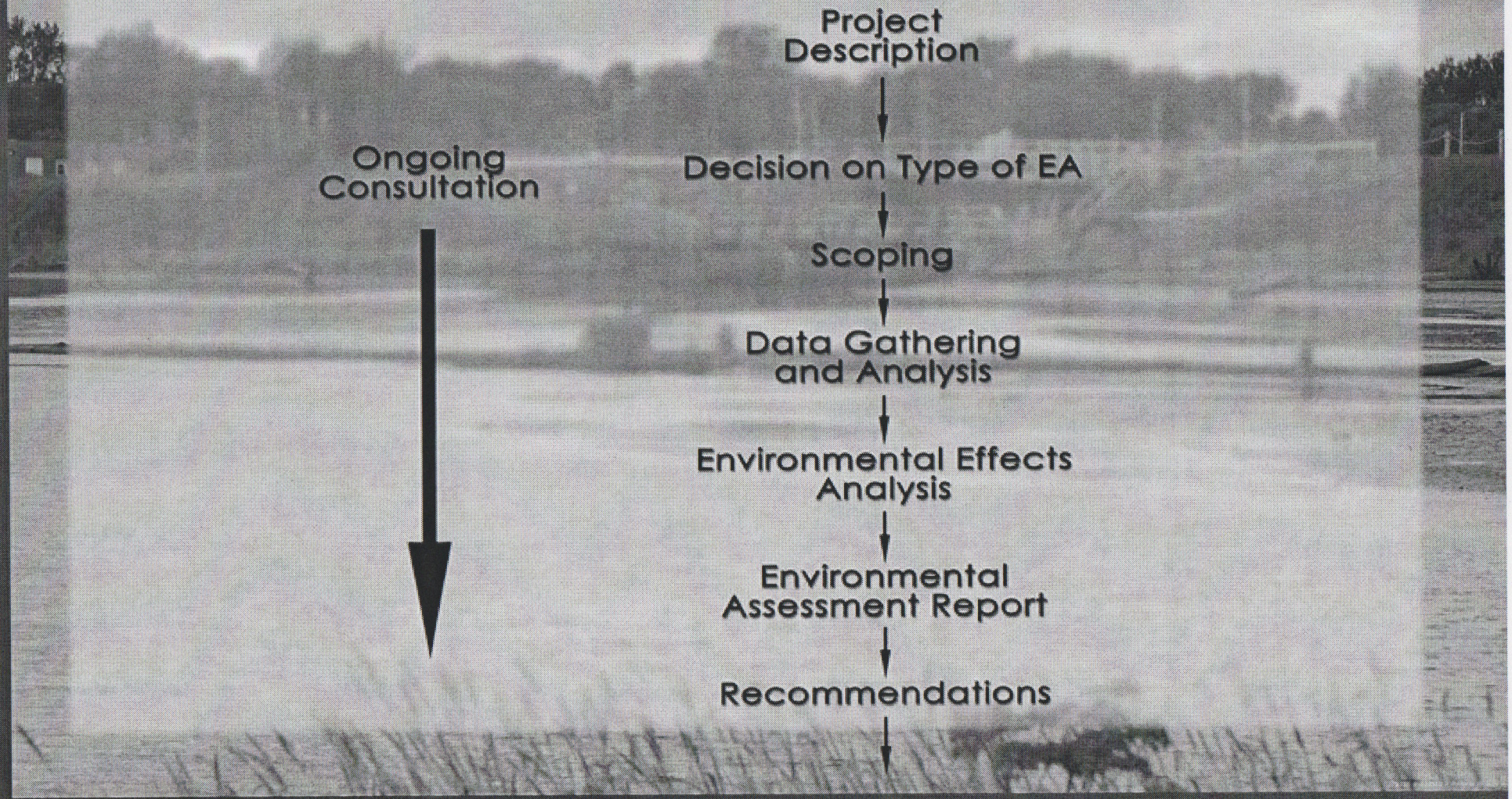
REGULATORY

# **STEPS** in an Environmental Assessment




Sydney Tar Ponds and Coke Ovens Cleanup

REGULATORY

# **Main** Components in the Process

- Develop Project Description ✓
- Determine EA type and departments that will participate ✓
- Determine potential environmental issues (Scoping) ✓
- Consult public
- Analyze project's potential effects
- Develop measures to protect environment and health
- Prepare Comprehensive Study Report for public review
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REGULATORY

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- Project Partners (Government of NS and Canada) and their consultant (AMEC Earth and Environmental) prepare the environmental assessment
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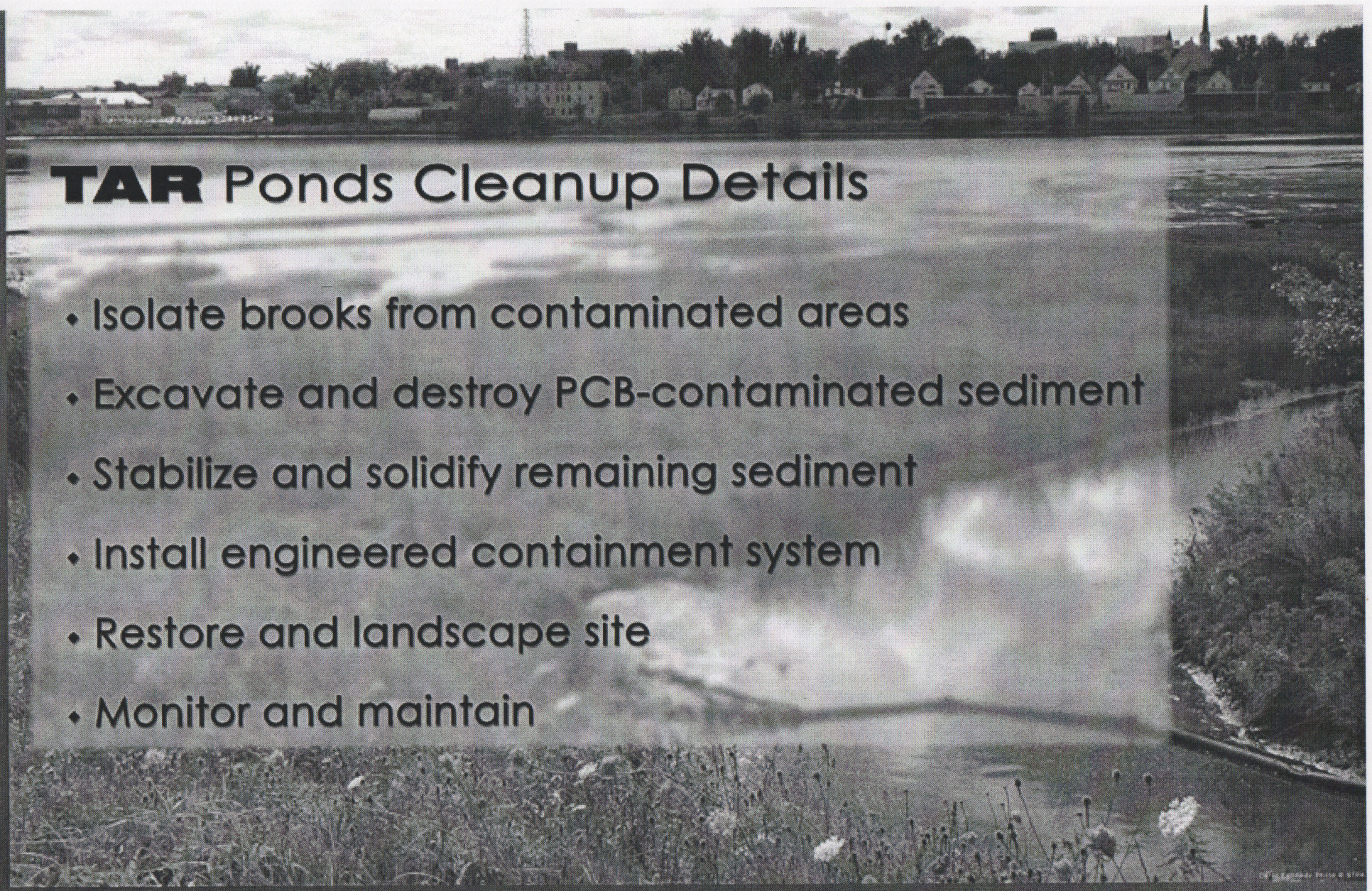
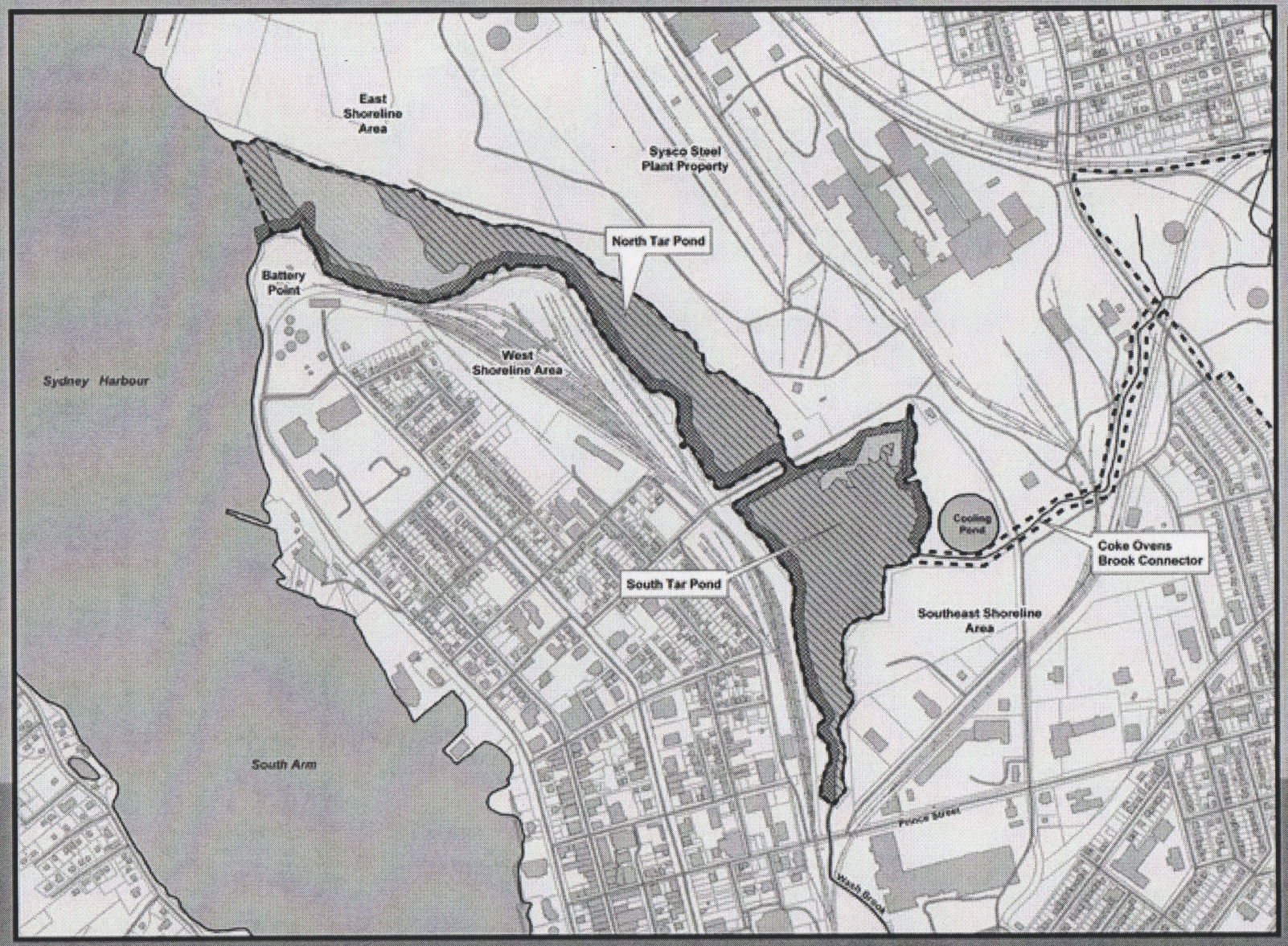
PROJECT DESCRIPTION

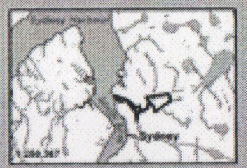


# TAR Ponds Cleanup Details

- Isolate brooks from contaminated areas
- Excavate and destroy PCB-contaminated sediment
- Stabilize and solidify remaining sediment
- Install engineered containment system
- Restore and landscape site
- Monitor and maintain

PROJECT DESCRIPTION




**Project Components**

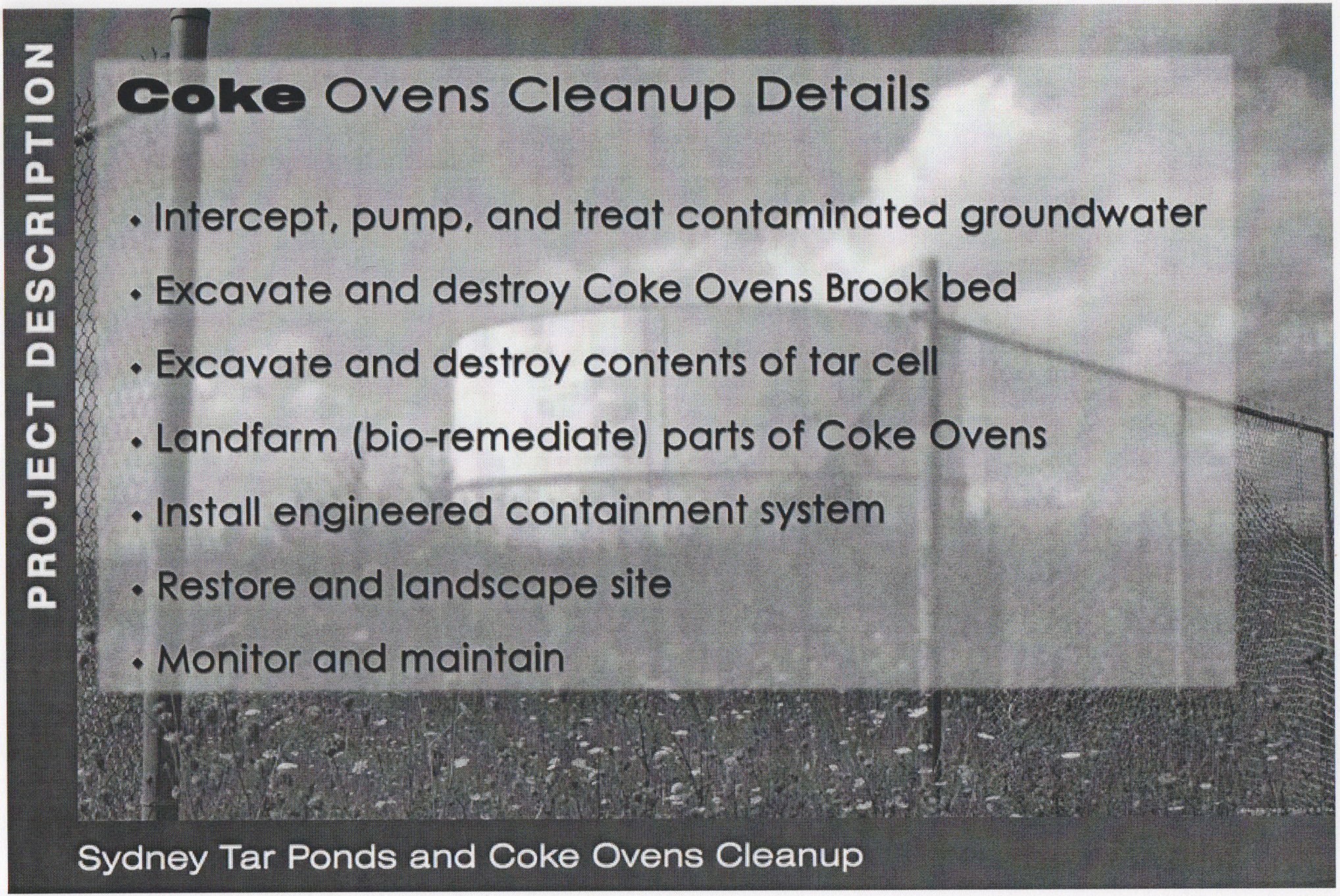
- Study Area Boundary
- Main areas of PCB material to be excavated and incinerated
- Area to be stabilized, solidified and capped
- Channelization of Welsh Brook and Coke Ovens Brook Connector

**Tar Ponds Proposed Remedial Activities**

Project Description
Sydney Tar Ponds and Coke Ovens Site

1:7,500

# Sydney Tar Ponds and Coke Ovens Cleanup



# Coke Ovens Cleanup Details

- Intercept, pump, and treat contaminated groundwater
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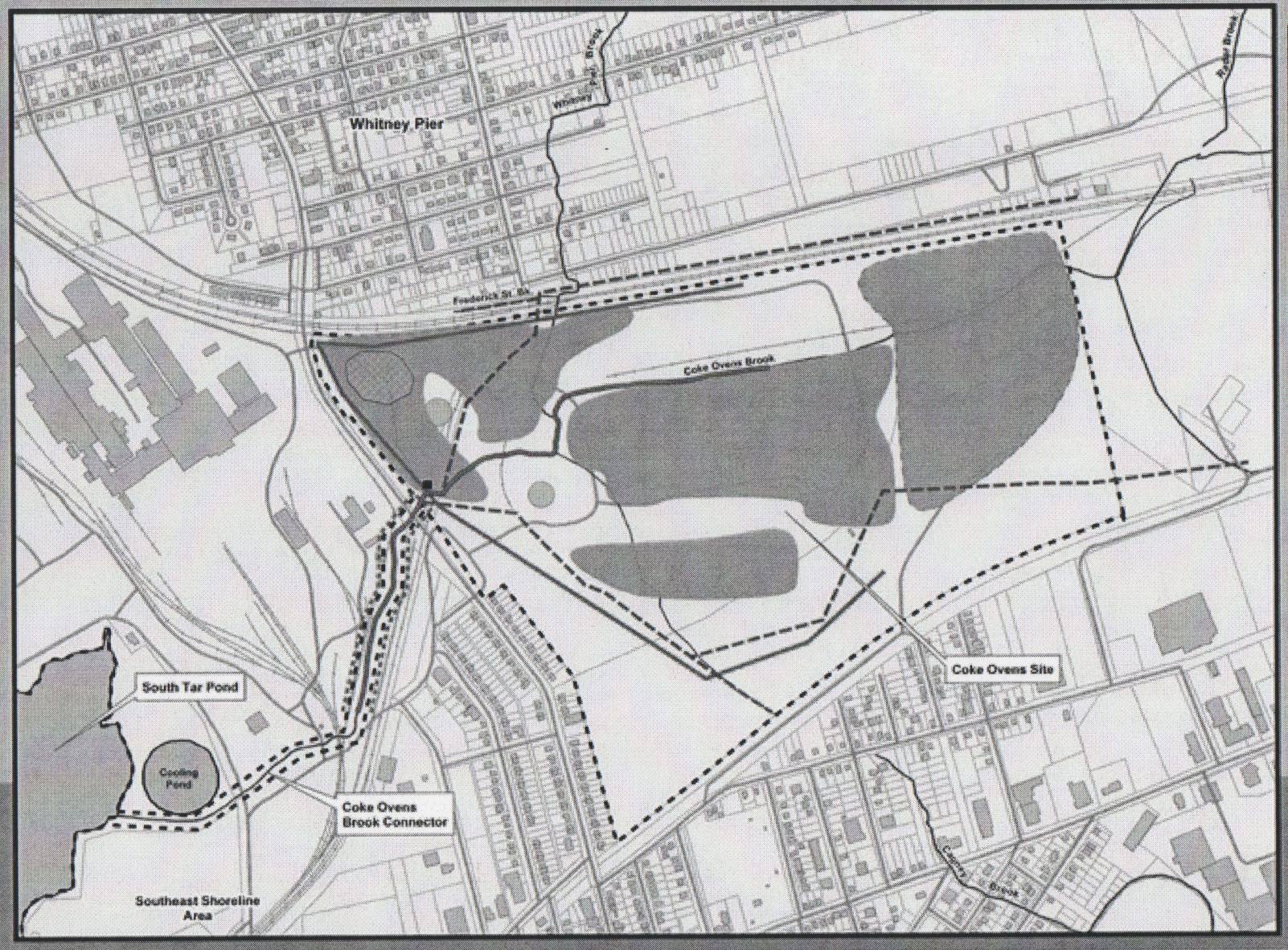


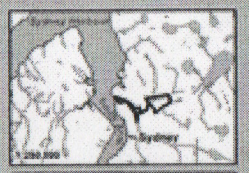


**Project Components**

- Proposed Water Treatment Plant
- Study Area Boundary
- Coke Ovens Brook Cleanup
- Proposed Diversion Wells
- Proposed Re-Routing of Coke Ovens Brook
- Proposed Cut Off Walls
- Areas to be landfarmed and/or capped
- Possible Landfill Location
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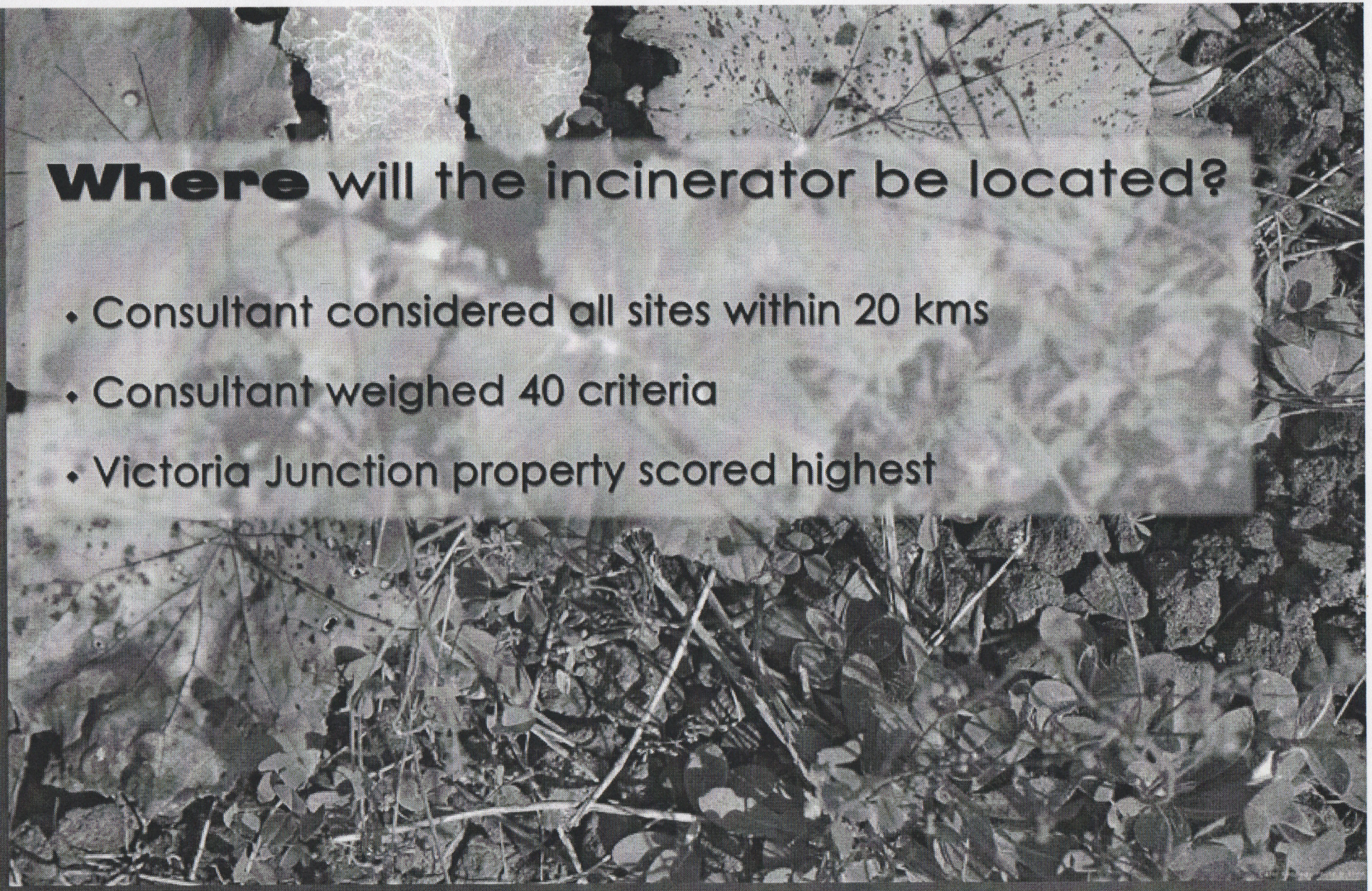
**Coke Ovens Proposed Remedial Activities**

Project Description
Sydney Tar Ponds and Coke Ovens Site

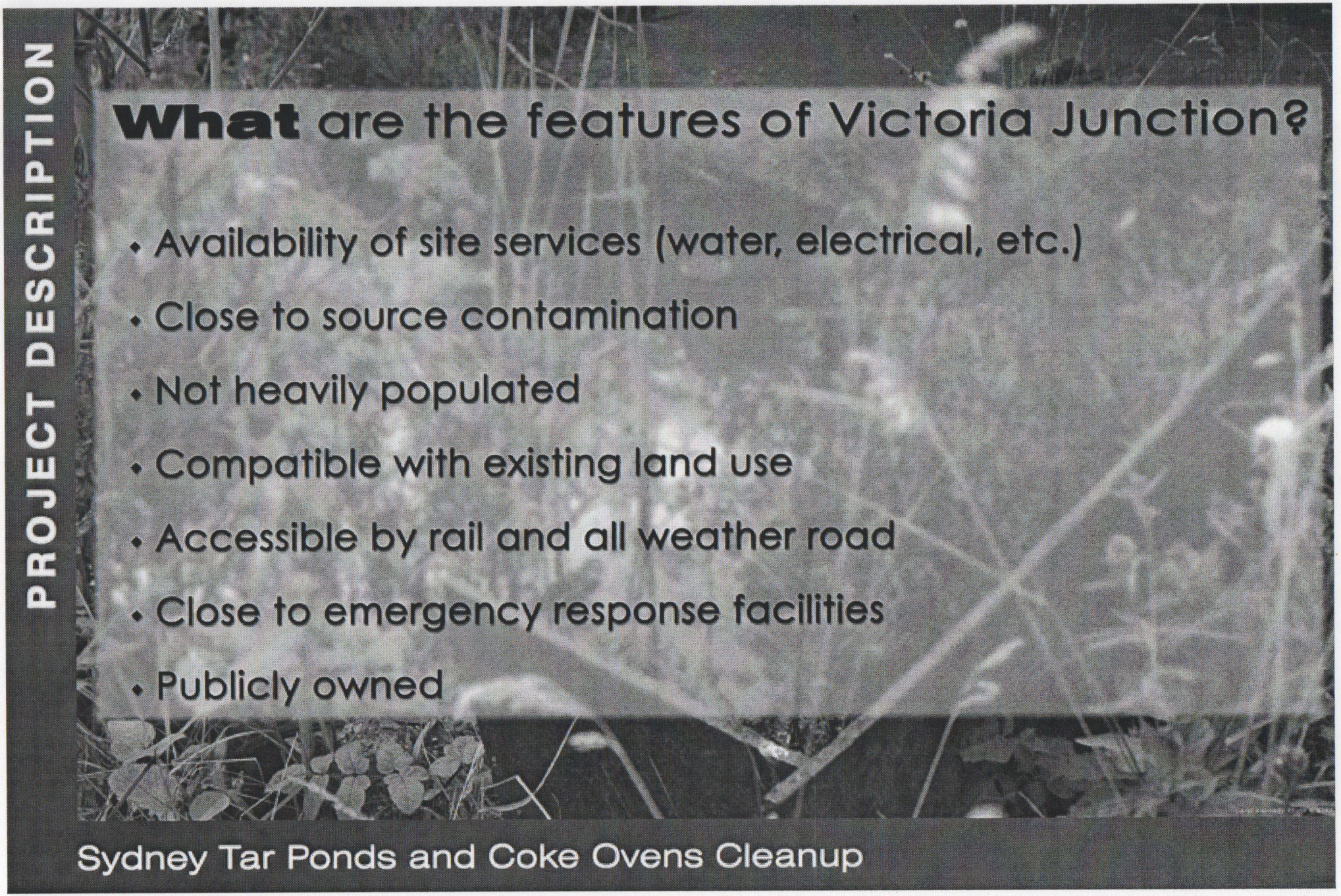
1:6,000

# Sydney Tar Ponds and Coke Ovens Cleanup



## **Where** will the incinerator be located?

- Consultant considered all sites within 20 kms
- Consultant weighed 40 criteria
- Victoria Junction property scored highest



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- Availability of site services (water, electrical, etc.)
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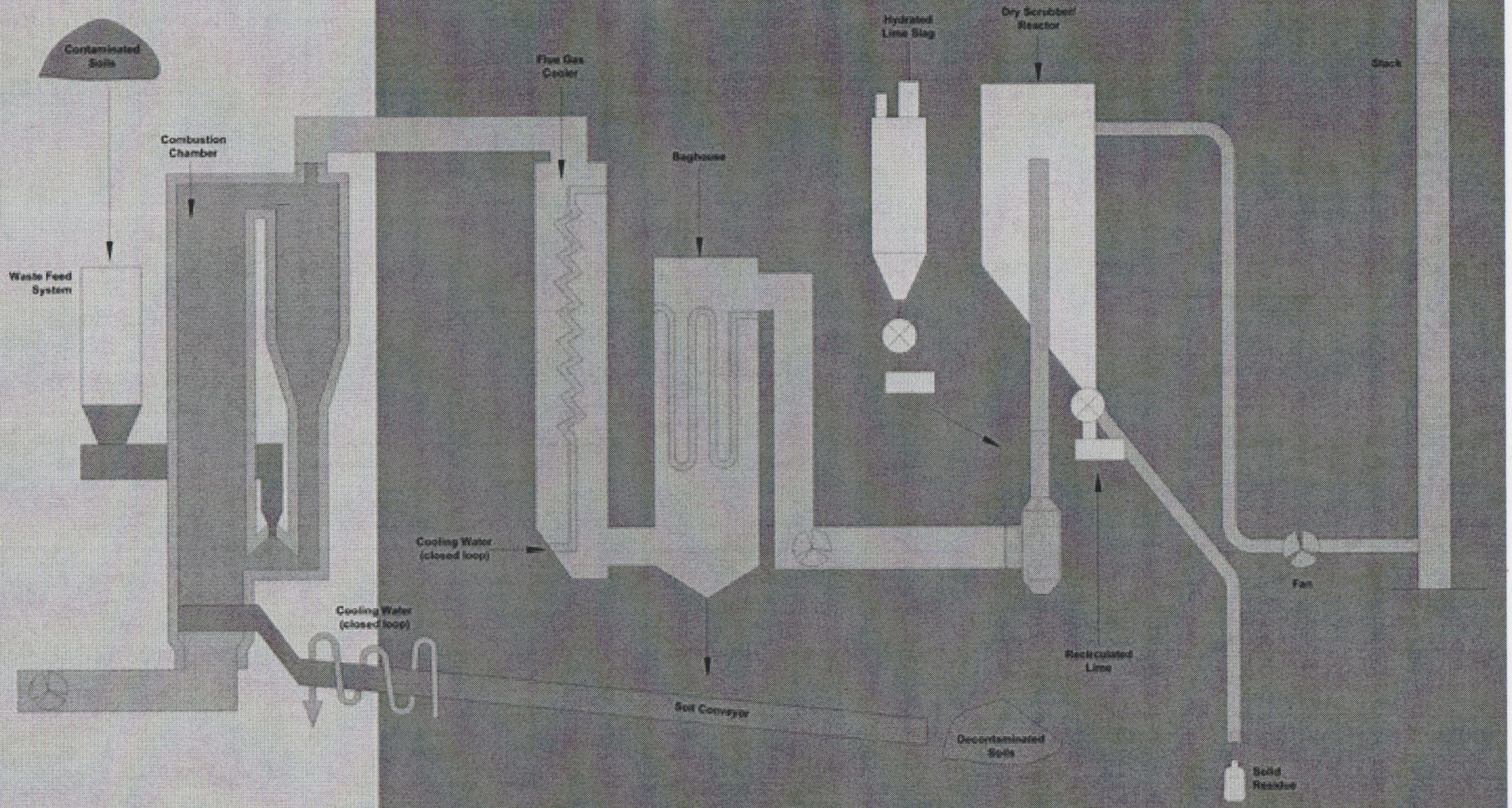
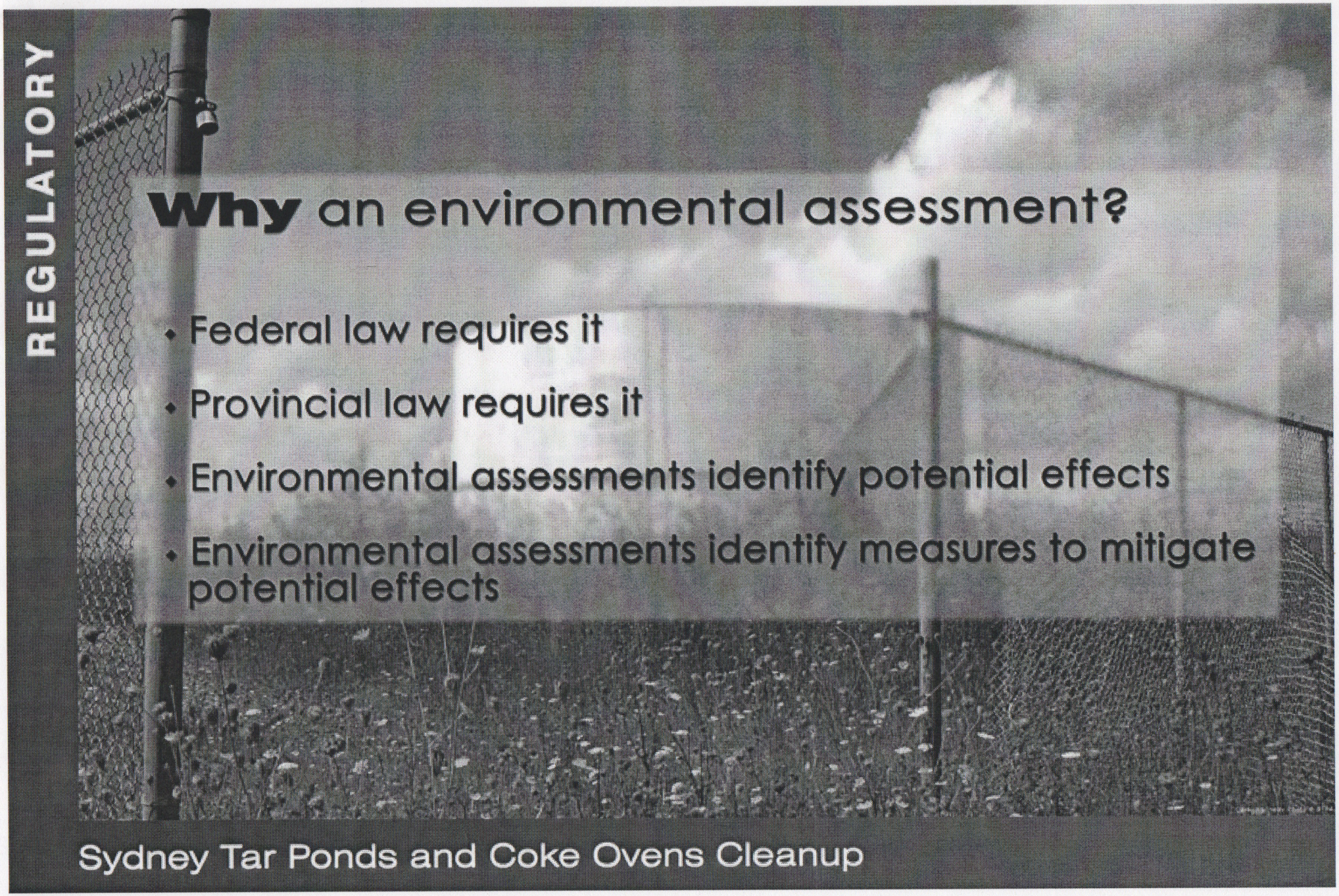
PROJECT DESCRIPTION

# Incineration Process




Sydney Tar Ponds and Coke Ovens Cleanup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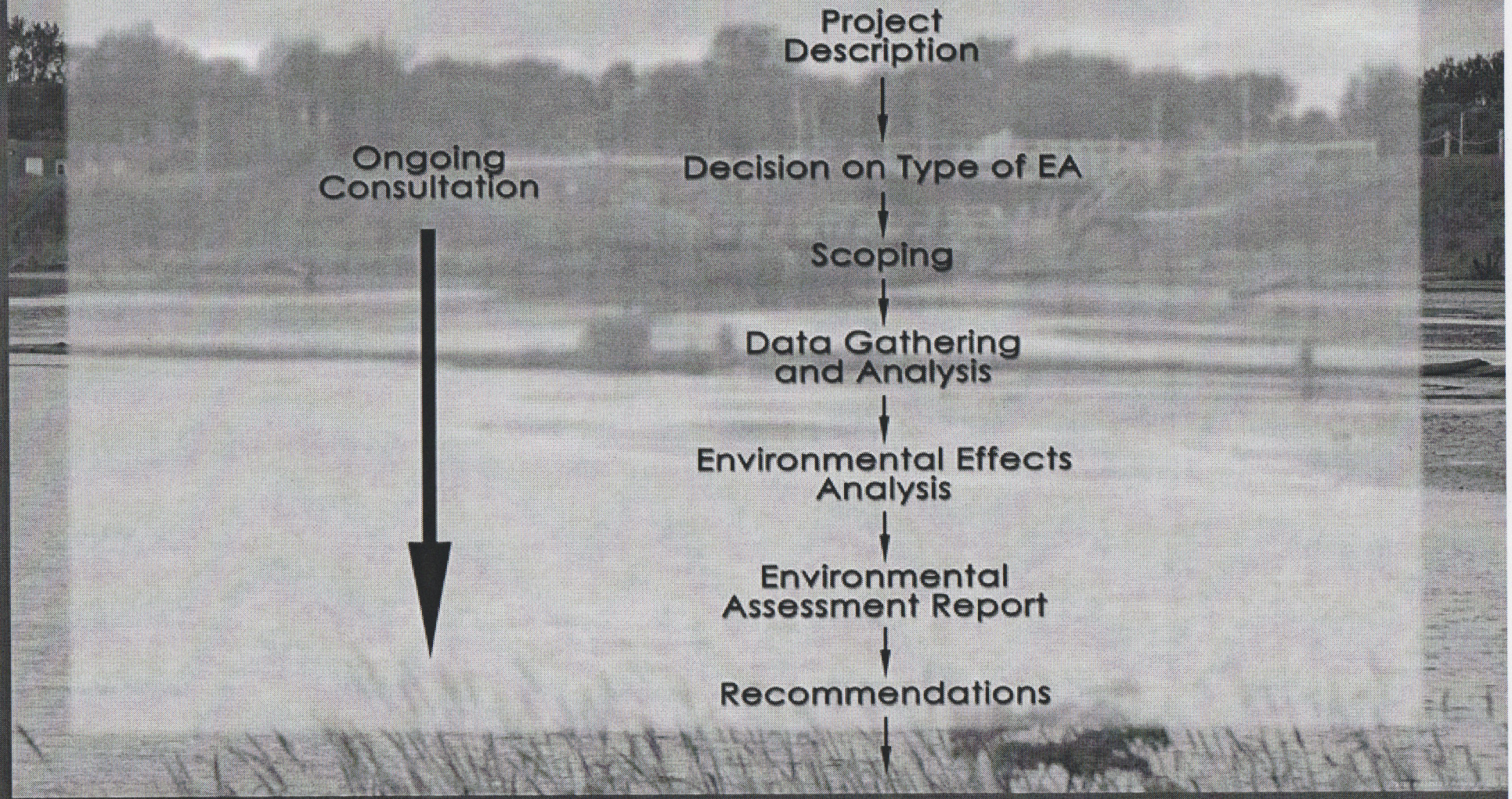


Sydney Tar Ponds and Coke Ovens Cleanup

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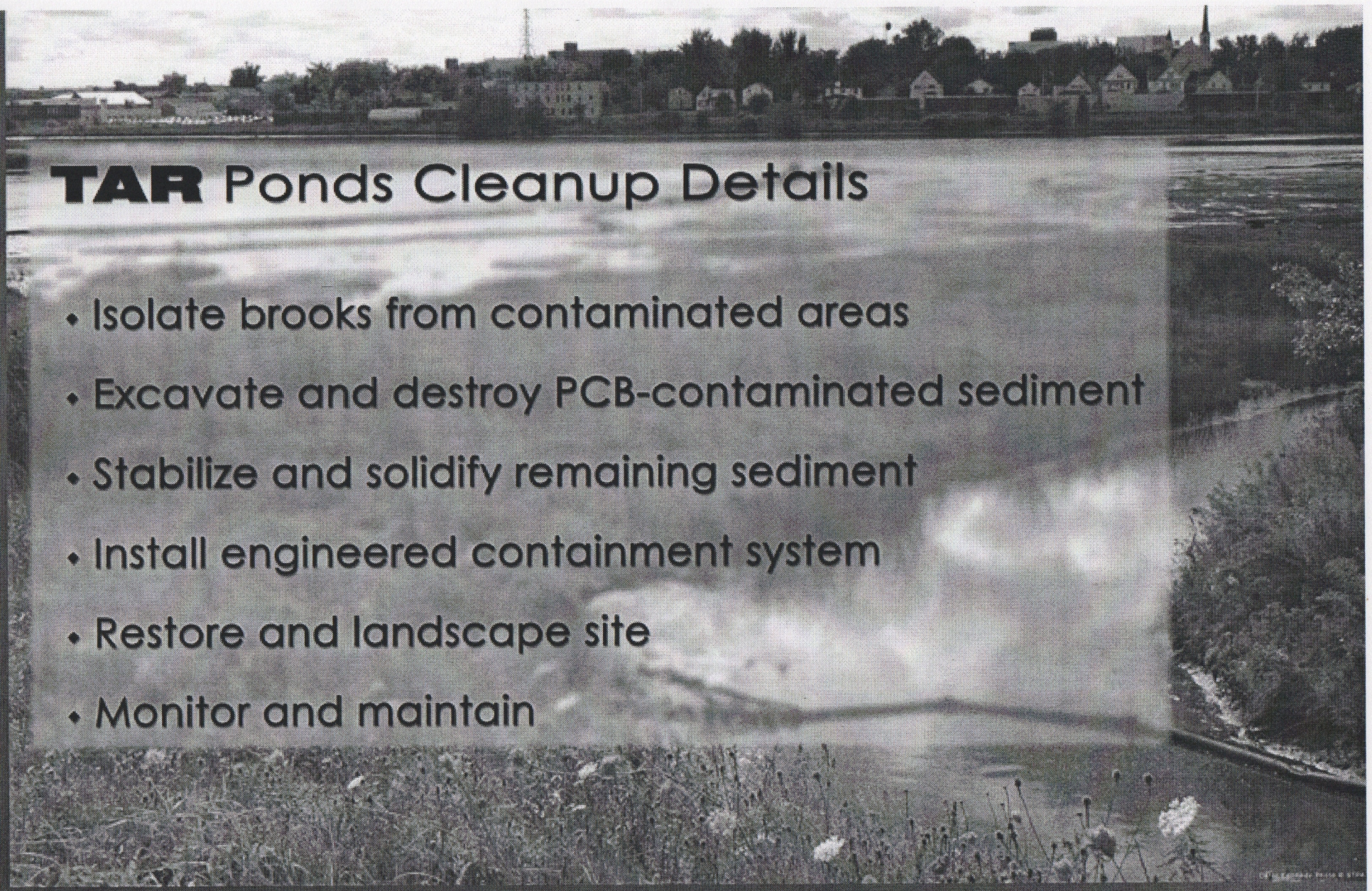

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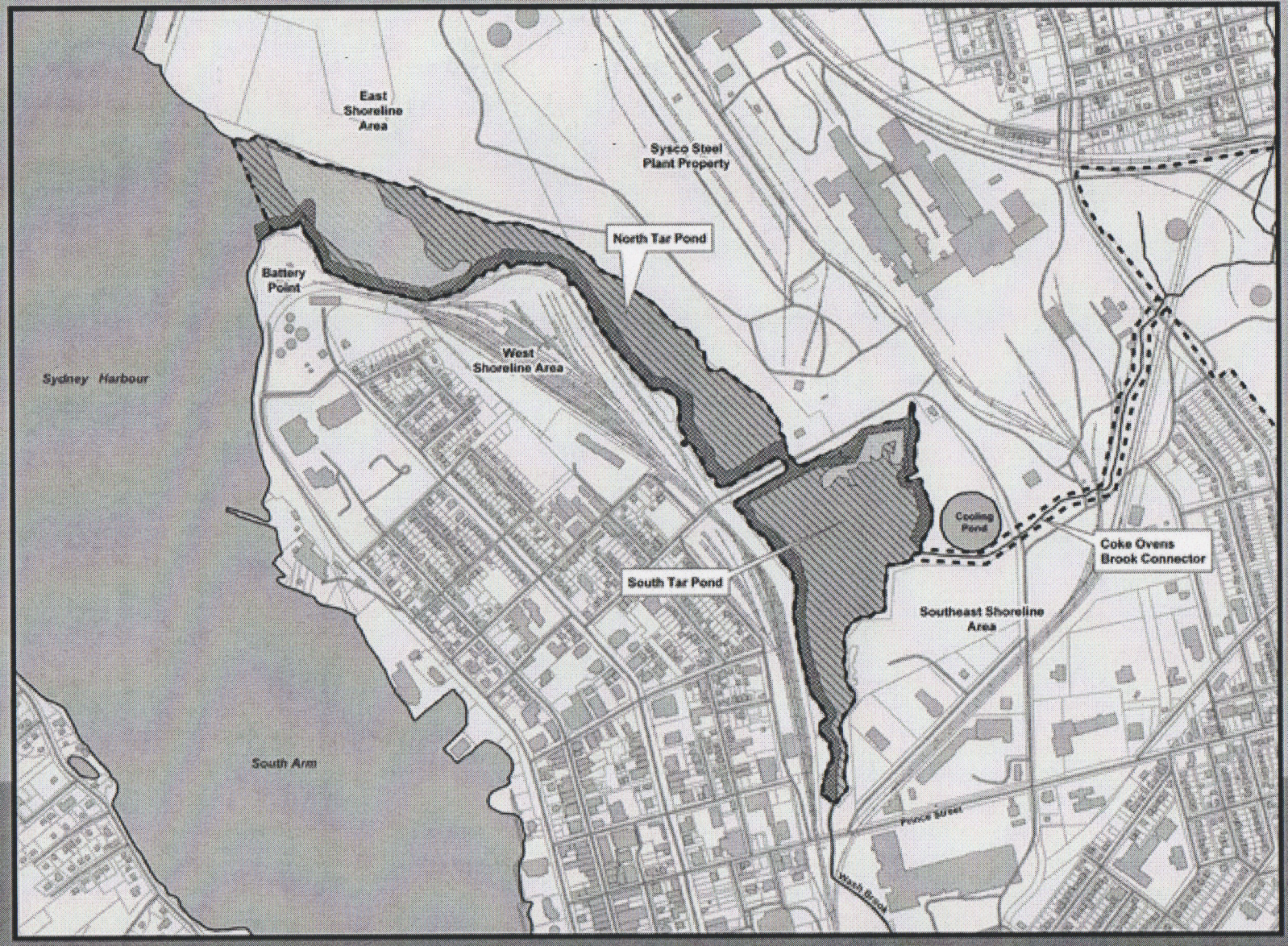


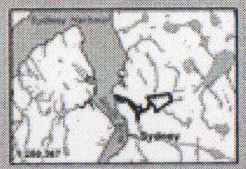


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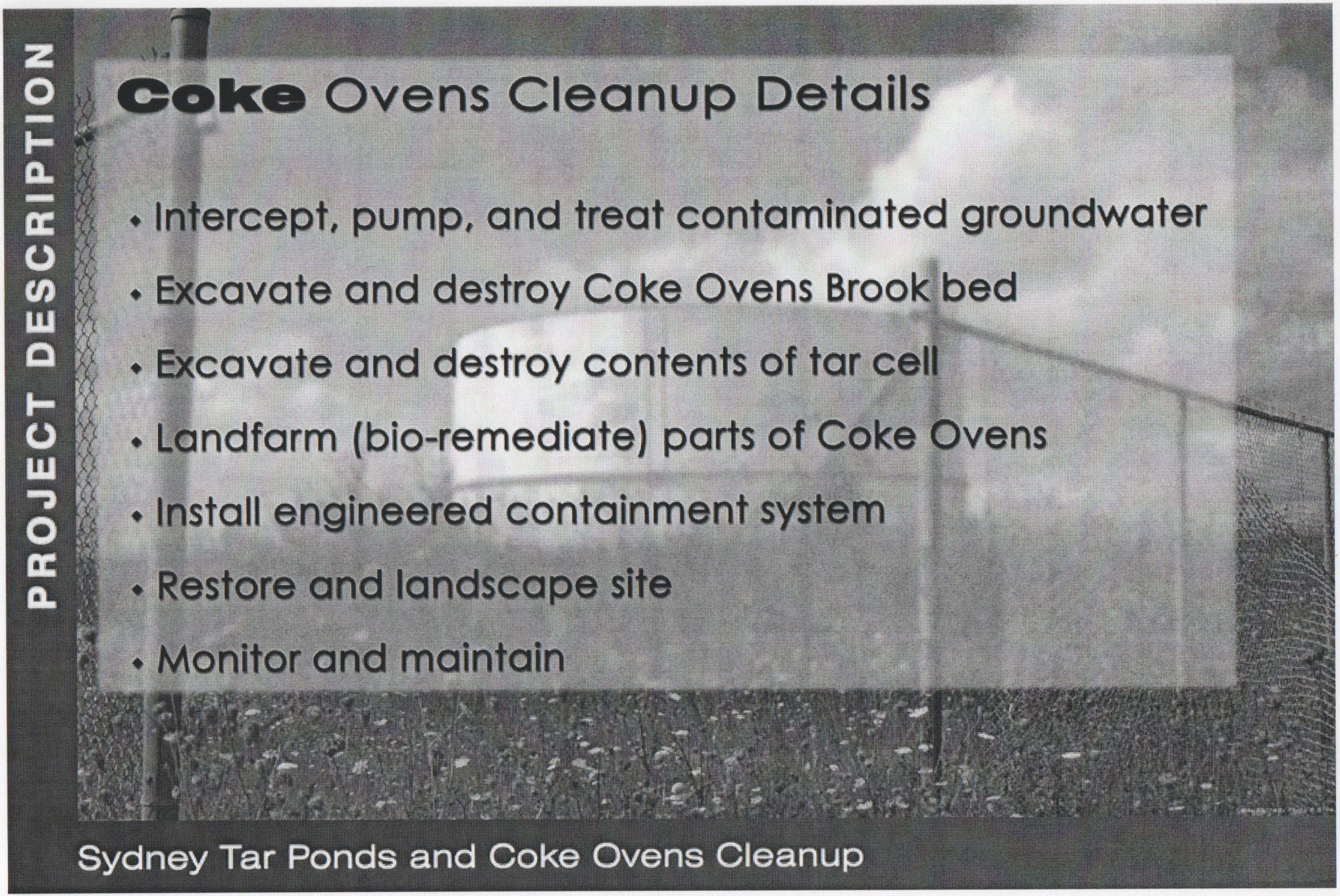
**Tar Ponds Proposed Remedial Activities**

Project Description
Sydney Tar Ponds and Coke Ovens Site

1:7,500

# Sydney Tar Ponds and Coke Ovens Cleanup



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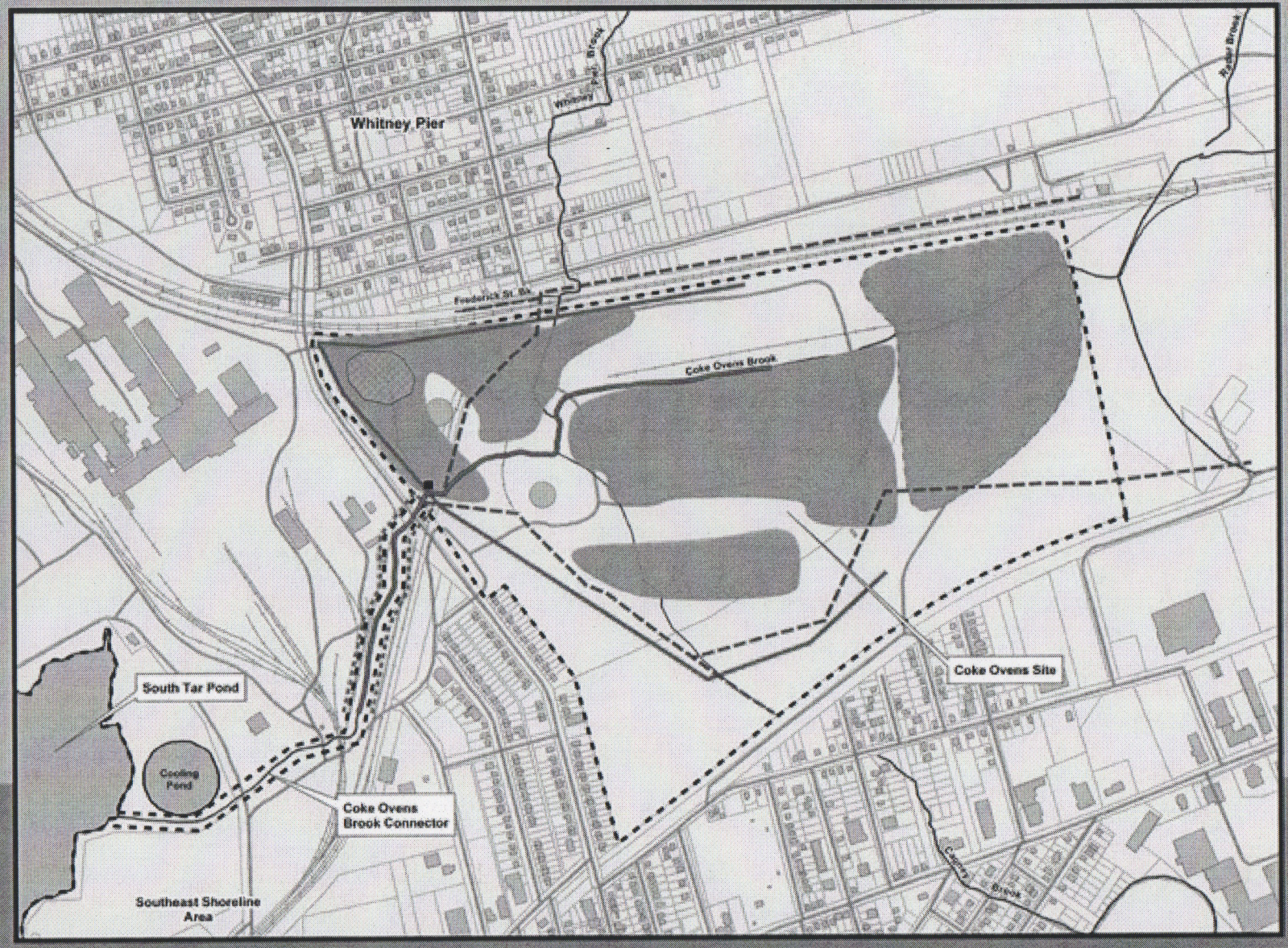


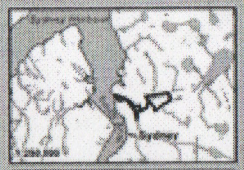


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**Coke Ovens Proposed Remedial Activities**

Project Description
Sydney Tar Ponds and Coke Ovens Site

1:6,000

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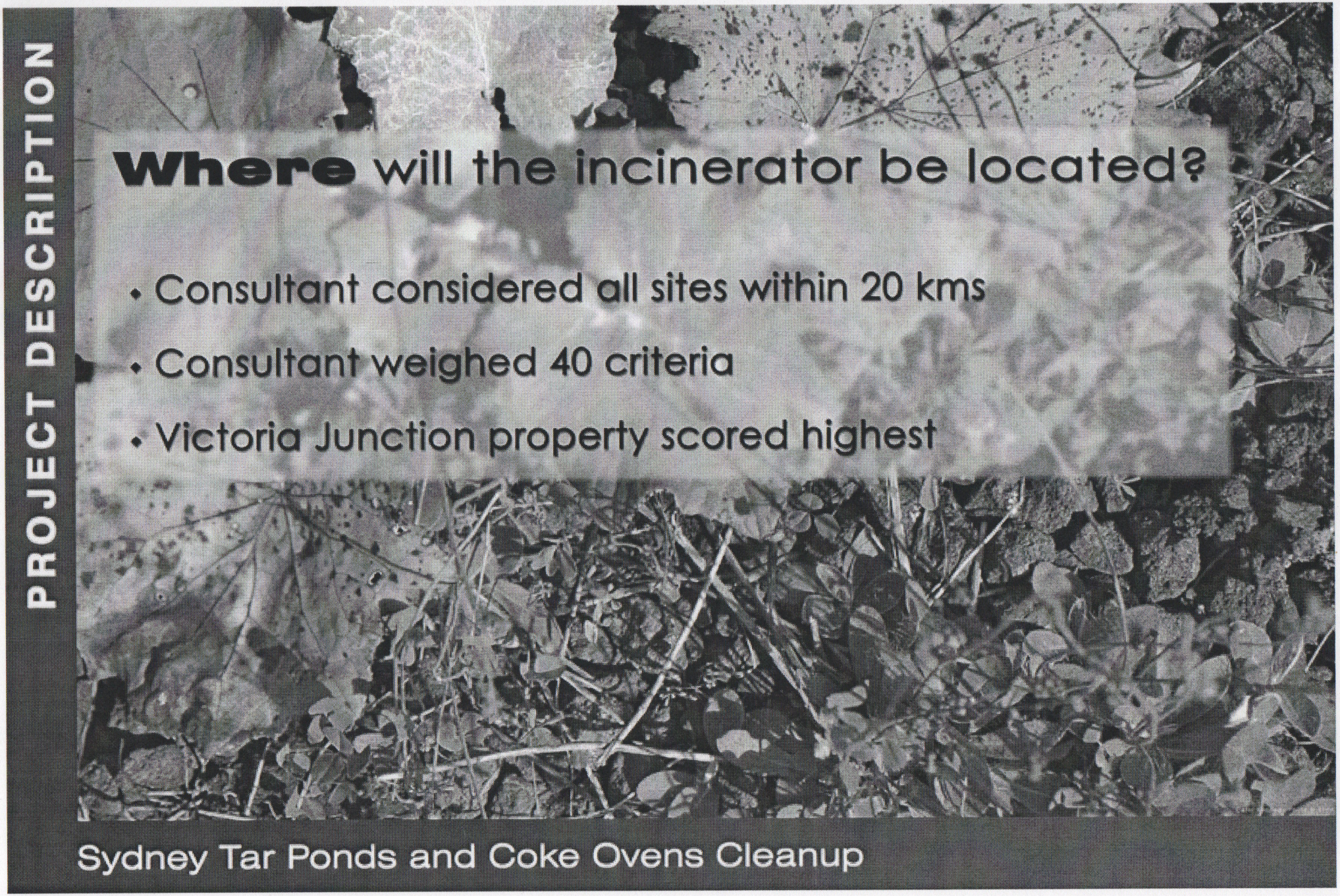
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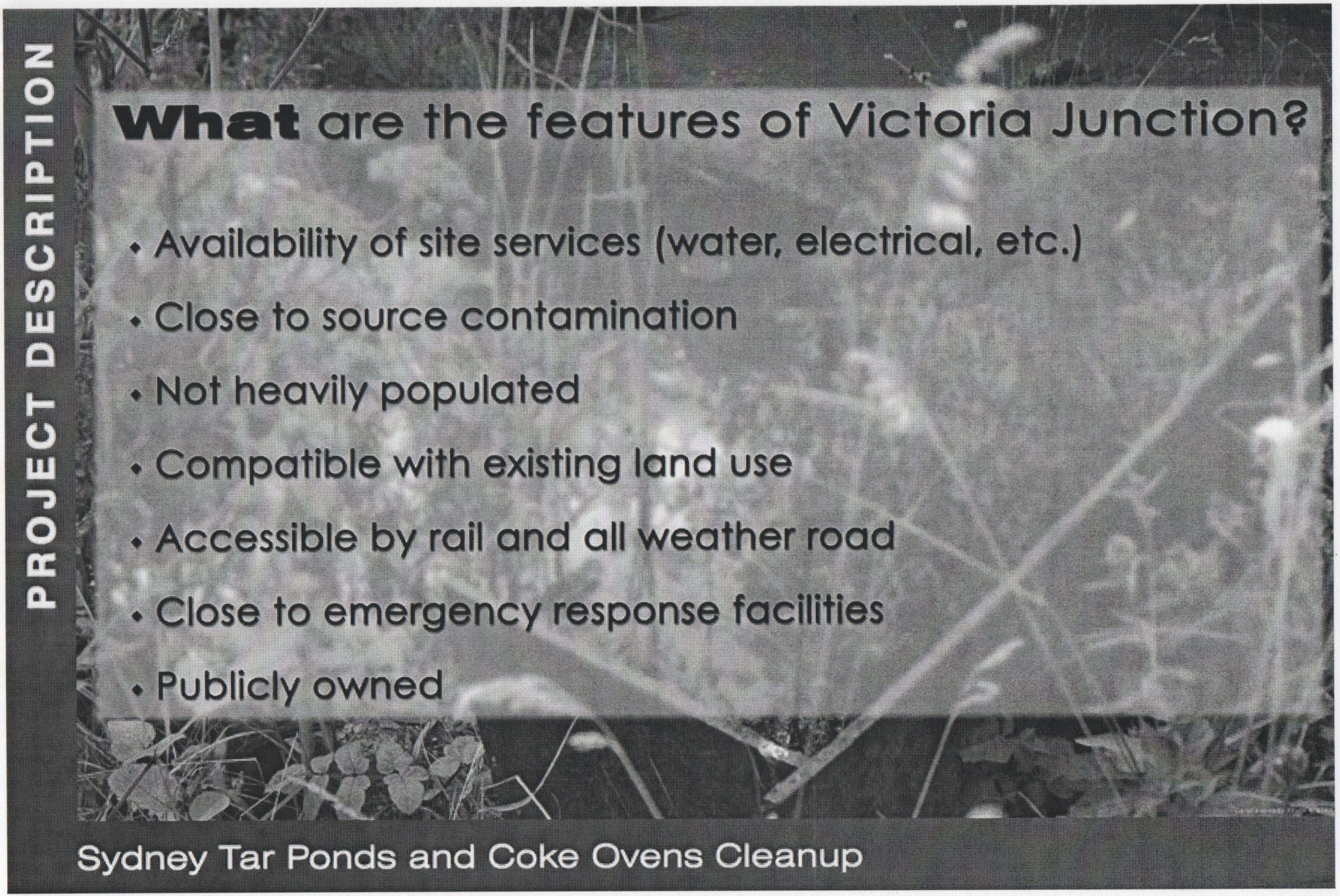
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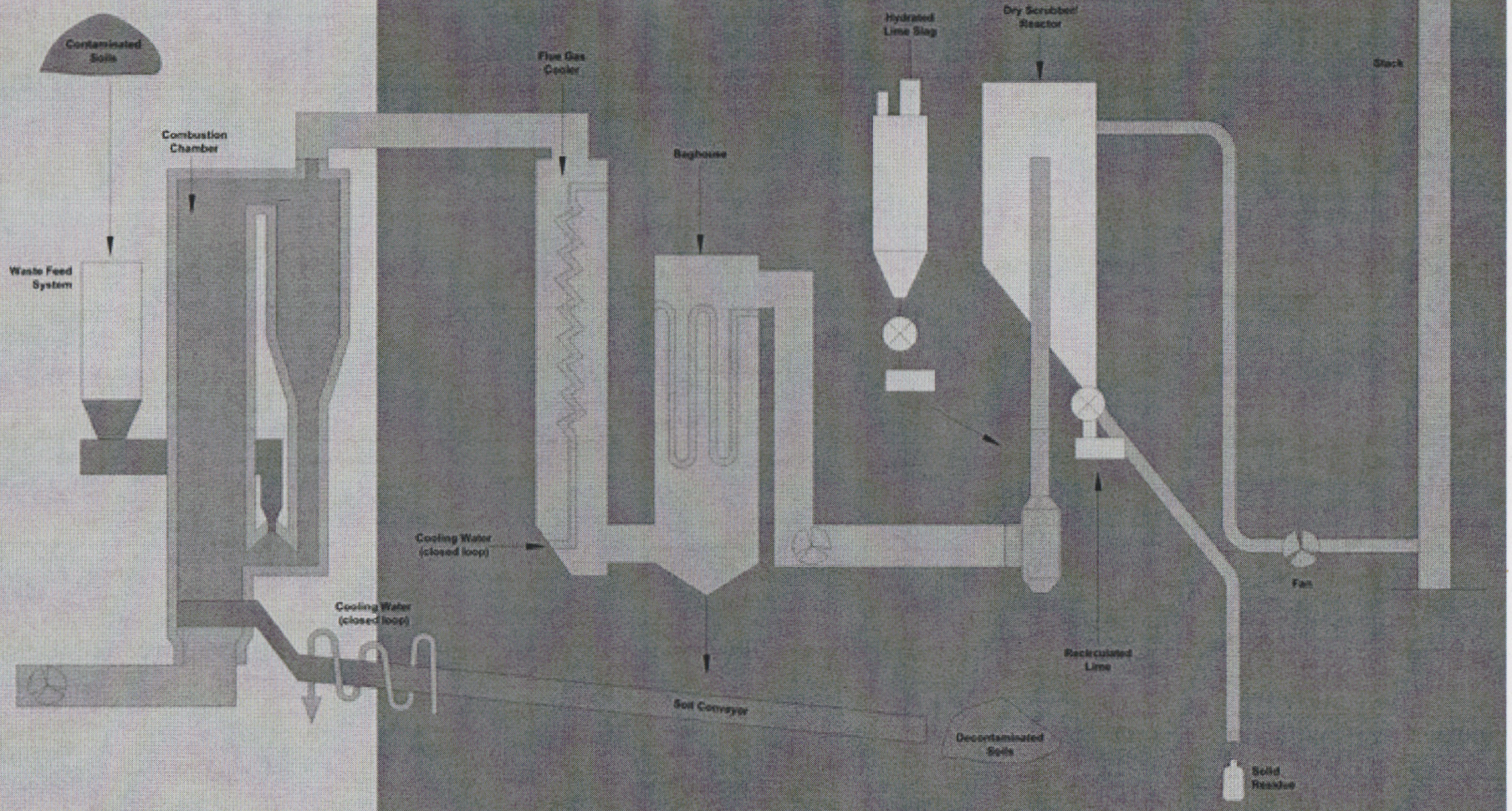
Sydney Tar Ponds and Coke Ovens Cleanup

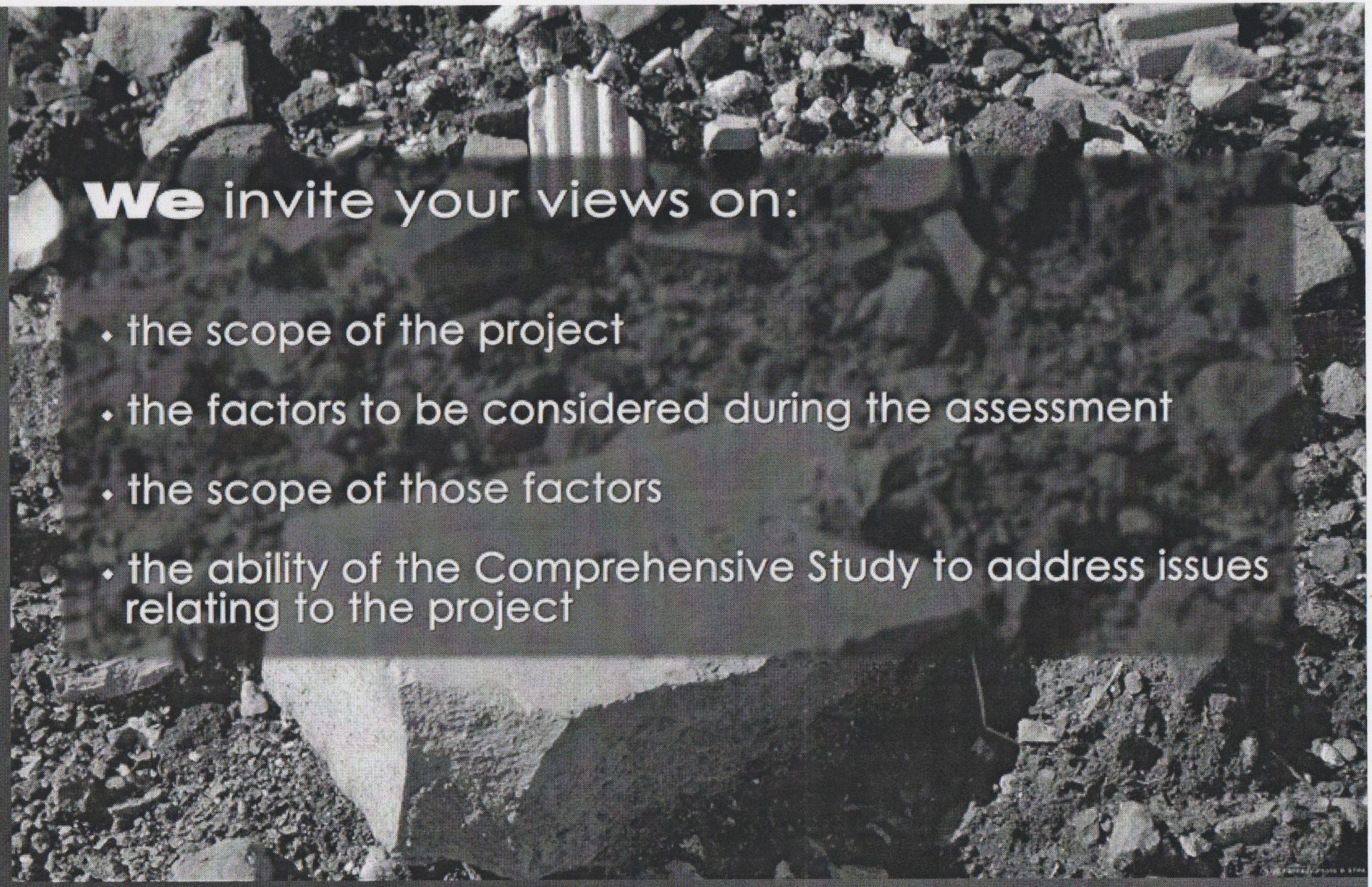
PROJECT DESCRIPTION

# Incineration Process




Sydney Tar Ponds and Coke Ovens Cleanup

SCOPING DOCUMENT



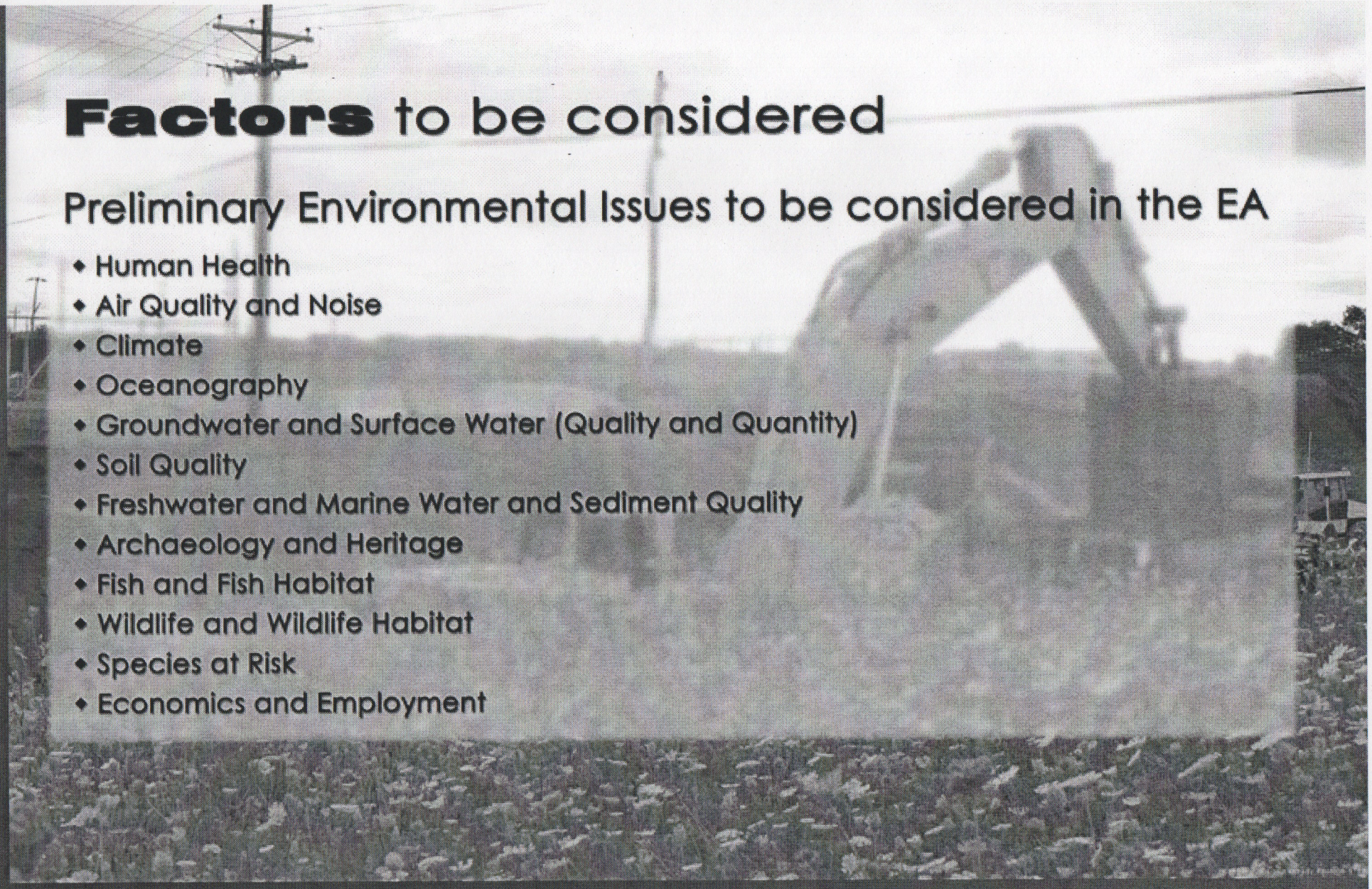
## **We** invite your views on:

- the scope of the project
- the factors to be considered during the assessment
- the scope of those factors
- the ability of the Comprehensive Study to address issues relating to the project

Sydney Tar Ponds and Coke Ovens Cleanup

# Environmental Assessment Methodology

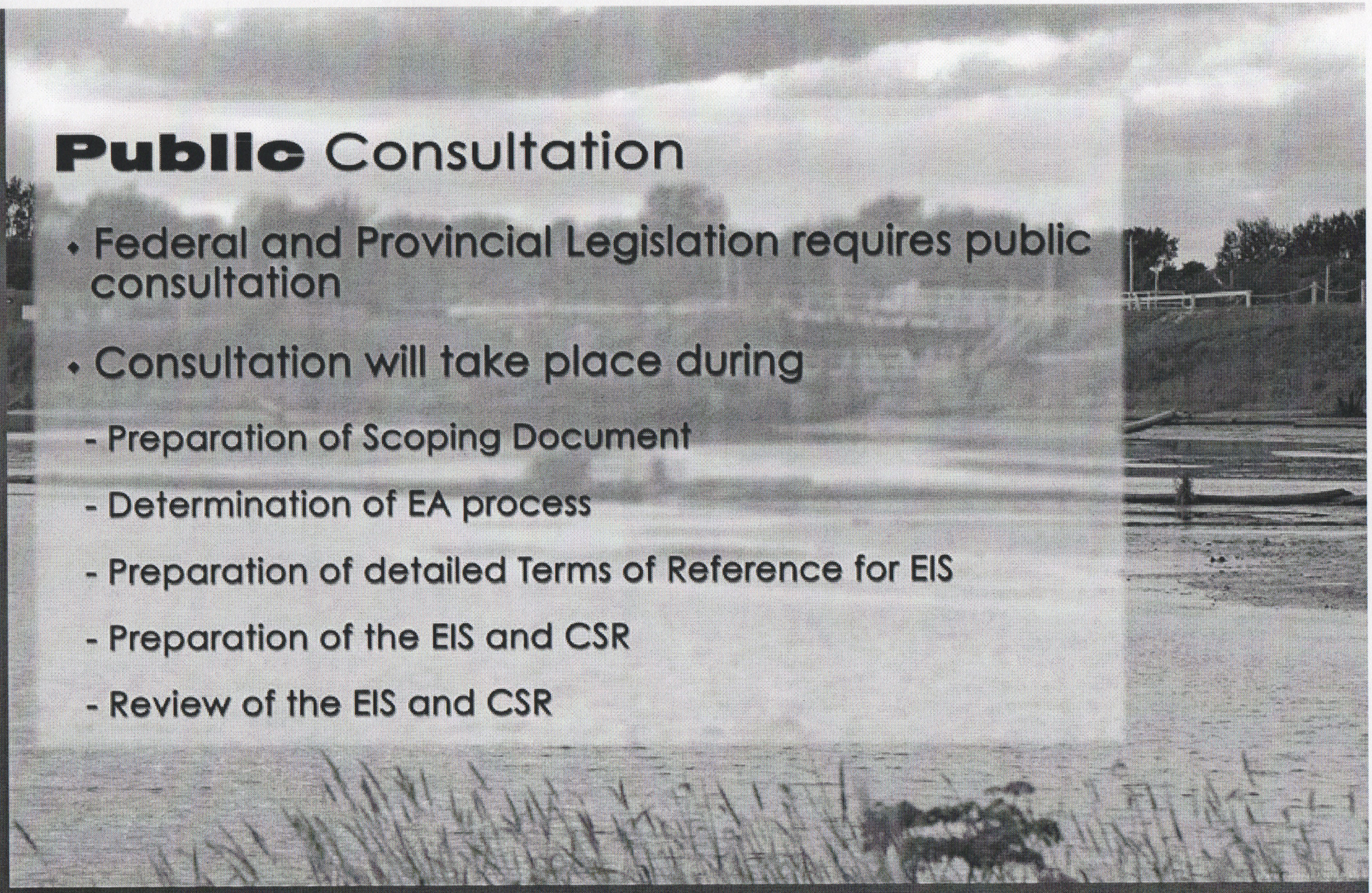
- Assemble baseline data
- Scope issues
- Valued ecosystem components
- Determine project's effects on the environment
- Define temporal and spatial boundaries
- Analyze interactions between project and environment
- Assess the effects of interactions
- Determine level of significance of effects
- Develop mitigation to minimize effects
- Conduct cumulative effects assessment



# **Factors** to be considered

## Preliminary Environmental Issues to be considered in the EA

- Human Health
- Air Quality and Noise
- Climate
- Oceanography
- Groundwater and Surface Water (Quality and Quantity)
- Soil Quality
- Freshwater and Marine Water and Sediment Quality
- Archaeology and Heritage
- Fish and Fish Habitat
- Wildlife and Wildlife Habitat
- Species at Risk
- Economics and Employment

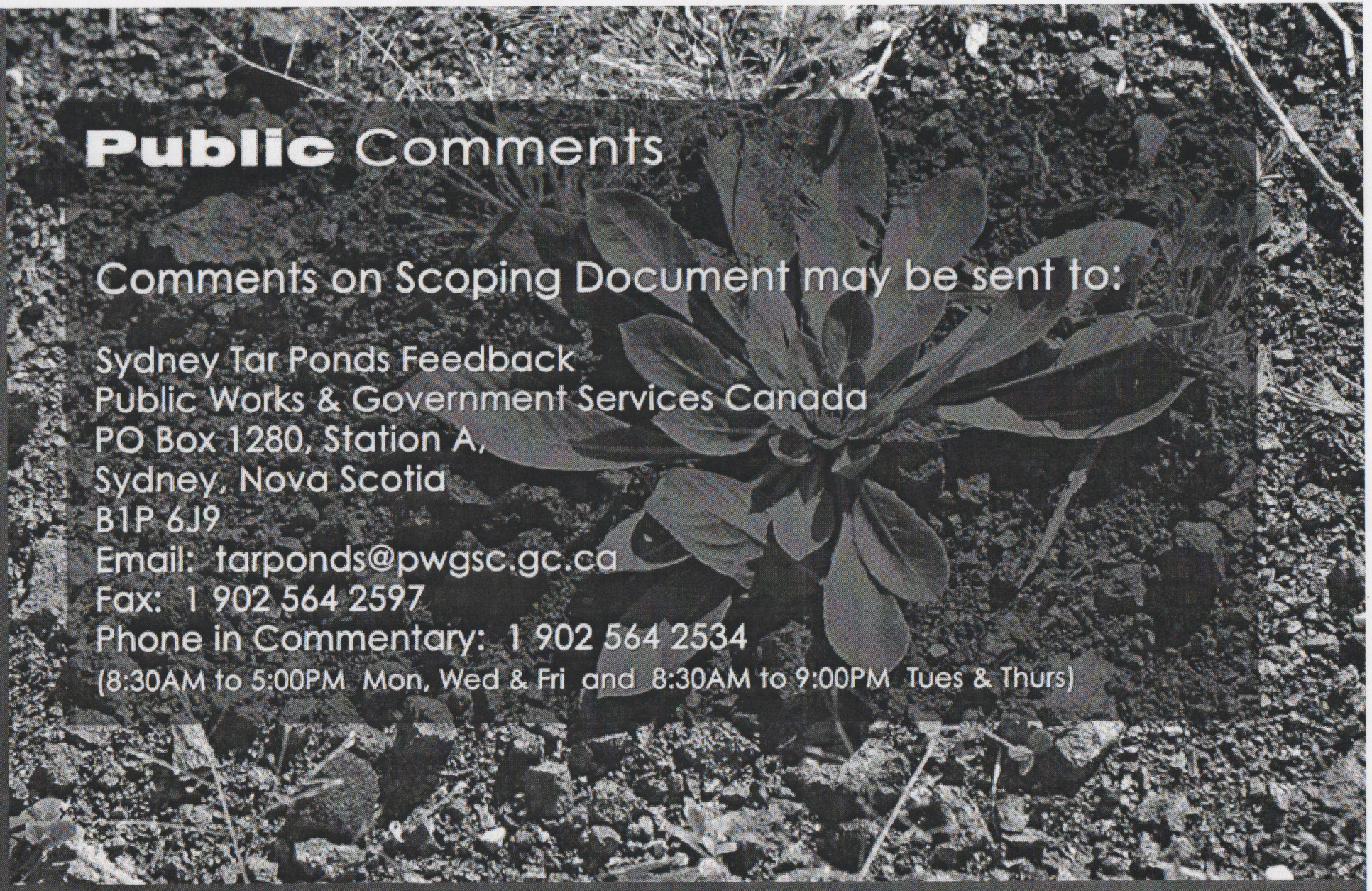


# Public Consultation

- Federal and Provincial Legislation requires public consultation
- Consultation will take place during
  - Preparation of Scoping Document
  - Determination of EA process
  - Preparation of detailed Terms of Reference for EIS
  - Preparation of the EIS and CSR
  - Review of the EIS and CSR

# Public Consultation

- Improve understanding of project's potential impacts
- Identify alternative designs and mitigation measures to improve environmental and social acceptability
- Clarify pros and cons of alternative means of carrying out the project
- Identify contentious issues
- Assist with scoping EA issues
- Establish transparent procedures for developing the project
- Create accountability and a sense of local ownership during project implementation



# Public Comments

## Comments on Scoping Document may be sent to:

Sydney Tar Ponds Feedback
Public Works & Government Services Canada
PO Box 1280, Station A,
Sydney, Nova Scotia
B1P 6J9
Email: tarponds@pwgsc.gc.ca
Fax: 1 902 564 2597
Phone in Commentary: 1 902 564 2534
(8:30AM to 5:00PM Mon, Wed & Fri and 8:30AM to 9:00PM Tues & Thurs)